

Patents**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Group Art Unit: 3727

Examiner: Kopsidas, N

P.D. File No.: 30-3744

In re Application of: IGOR PALLEY ET AL.

Serial No.: 08/533,589 ✓

Filed: September 25, 1995

For: BLAST RESISTANT AND BLAST DIRECTING CONTAINERS AND
METHODS OF MAKINGPetersburg, VA 23804
June 5, 1998Asst. Commissioner of Patents
Washington, DC 20231**AMENDMENT**

Sir:

Responsive to the Examiner's Office Action mailed December 5, 1997,
please enter the amendments which follow on the above-identified patent
application.

IN THE SPECIFICATION:

On page 11, line 23, please add the following after "art." : --As with
the basic design, a weight/load bearing frame 17 (see FIGURE 1G) may
optionally be nested within container 10' in the event that container 10' is
insufficiently rigid for bearing the items to be loaded therein. Inner band 11 is
slipped over the frame initially, and then assembly proceeds as earlier
discussed. Frame 17 may be made from metal or structural composite rods
designed in a way to optimize the load bearing capacity of the structure and
to minimize container weight. Alternatively, a rigid inner liner or band can be
constructed and used, as discussed, infra.--

REMARKS

Accompanying this response is a petition for an extension of time.

06/11/1998 MULLARI 00000030 011125 00533589

01 FC:117

950.00 CH

Serial No. 08/533,589 Filed September 25, 1995

Applicants note with appreciation that claims 37, 38 and 42-57 are now under consideration as part of the elected Species II.

The specification has been amended on page 11 to add description of the rigid support structure (which can be a rigid inner band) in conjunction with Species II. Support for this amendment is found on page 11, lines 4-10, as well as on page 19, lines 11-29. Since no new matter has been introduced, Applicants respectfully request entry of this amendment.

The Examiner has objected to the drawings under 37 CFR 1.83(a) for failing to show the rigid support structure of Species II. Applicants respectfully traverse this rejection and request its withdrawal. The specification has been amended on page 11 at line 23 to include discussion of and reference to the FIGURE 1G frame 17 which can optionally be nested within the Species II container 10'. It is respectfully submitted that the rigid support structure is now properly shown. In the event that the Examiner prefers, Applicants will gladly submit a FIGURE 2D, which in all other respects will be identical to FIGURE 1G, and make corresponding amendments to the verbiage accompanying the description of Species II. Thus, the claimed Species II rigid support structure is shown. Furthermore, there is ample discussion of the optional support structure on page 19 at lines 11-29. Nonetheless, Applicants will gladly submit, with the Examiner's approval, a FIGURE 2D, which in all other respects will be identical to FIGURE 1G, with appropriate descriptive verbiage. It is submitted that this will not introduce new subject matter.

The specification has also been objected to under 35 CFR 1.71, because it does not adequately describe the frame of Species II. Applicants respectfully submit that this objection has been overcome by the amendment to page 11, as discussed above, and therefore request its withdrawal.

Claims 9 and 10 stand rejected under 35 USC 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention. The Examiner states that the structure of the band of the rigid support frame is unclear, and further that from the drawings and specification the support structure does not

Serial No. 08/533,589 Filed September 25, 1995

across each edge joining adjacent faces for more than at least one full wrap . . . and also that at any given point on the band there is at least one wrap/layer that is seamless." (emphasis added) In other words, the outermost band is greater than at least one full wrap, i.e., greater than 360 degrees, and is seamless across each edge. This is a distinction with a difference. There is no weak line from one side of the outermost band to the other. The substantially seamless outermost band supports the inner bands whether a five sided strip is used to create a four sided inner band or otherwise. Lewis on the other hand shows bands whose ends do not overlap, but at best abut one another. The outermost/third band of Lewis is taped across a joint (i.e., across an edge), one of the weakest possible places to connect the two ends of the band for blast resistance. This connection across the joint (edge) is what keeps this outermost band of Lewis from being substantially seamless. It is also where the container will split when subjected to the force of a blast from within the container, and in this regard, cannot be deemed to be blast resistant.

Claims 1-6, 33, 37, 38 and 42 stand rejected under 35 USC 102(b) as being anticipated by Lewis, supra. A prior art reference must teach every element to anticipate a claimed invention. Lewis fails to do this since the third band A is neither blast resistant nor substantially seamless, as discussed above.

Claims 8, 9 and 11 stand rejected under 35 USC 103(a) as being unpatentable over Lewis in view of Rosenbloom, Jr. et al. Both of these references relate to collapsible containers; however, neither one of them teaches or suggests blast resistance or direction. It is respectfully submitted that they are inapposite to these claims, and this rejection should therefore be withdrawn.

Claim 10 stands rejected under 35 USC 103(a) as being unpatentable over Lewis in view of Rosenbloom, Jr. et al. as applied to claim 9 and further in view of Hall (USP 4,216,803). In light of the comments above, it is respectfully submitted that none of these references either teaches or suggests that the containers are blast resistant or that the outermost band is

Serial No. 08/533,589 Filed September 25, 1995

both blast resistant and substantially seamless, and therefore, this rejection should be withdrawn.

Claims 12-32, 34-36, 43-57 and 74-76 stand rejected under 35 USC 103(a) as being unpatentable over Lewis in view of Prevorsek et al. This rejection is respectfully traversed and its withdrawal requested. There is absolutely no motivation for one of ordinary skill in the art of blast containment and direction to combine these two references based on the claims currently on file and under consideration. Lewis has absolutely nothing to do with blast containment. It is simply a collapsible cardboard/paper box. Note the date of issuance, i.e., 1901. It is respectfully submitted that one of ordinary skill in the art, even with the Prevorsek et al reference available, would not look to Lewis for container structure to enhance blast resistance. The substantially seamless outermost band (at least one full wrap in claim 74) of the claimed invention is different from the bands of Lewis. The Lewis bands must only abut, not overlap, and not cover the edges/joints as required by Applicants' claimed invention.

In view of the foregoing, it is respectfully submitted that the present claims 1-6, 8-38, 42-57 and 74-76 are now in condition for allowance. Applicants respectfully request that they be passed to issue. Should there be any unresolved issues regarding this application, Examiner Kopsidas is invited to contact the undersigned attorney at the telephone number shown below.

Respectfully submitted,
IGOR PALLEY ET AL.

By: Virginia Szigeti Andrews
Virginia Szigeti Andrews
Applicants' Attorney
Registration No. 29,039
(804)520-3651

AlliedSignal Inc.
Law Dept.
P.O. Box 31
Petersburg, VA 23804